

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
15 July 2004 (15.07.2004)

PCT

(10) International Publication Number  
WO 2004/058654 A1

(51) International Patent Classification<sup>7</sup>: C03B 37/027, 37/029

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(21) International Application Number: PCT/EP2002/014901

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(22) International Filing Date: 30 December 2002 (30.12.2002)

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(25) Filing Language: English

(26) Publication Language: English

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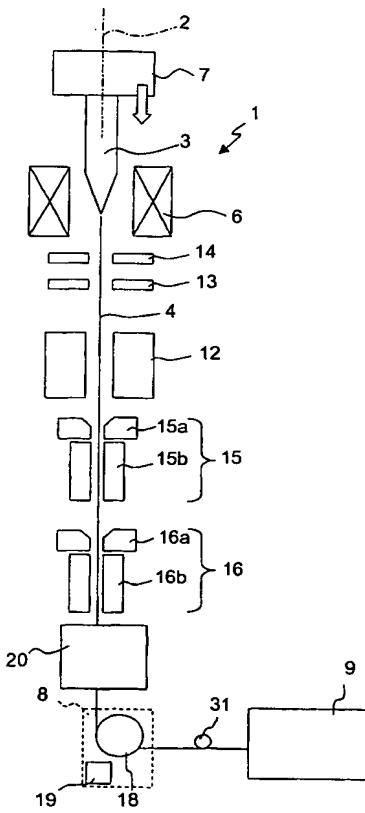
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Published:  
— with international search report

[Continued on next page]

(54) Title: METHOD FOR PRODUCING AN OPTICAL FIBER HAVING LOW POLARIZATION MODE DISPERSION

(57) Abstract: Method for producing an optical fiber having low polarization mode dispersion, comprising the steps of a)providing an optical fiber preform of glass material; b) heating the glass material of an end portion of the optical fiber preform; c) drawing the heated glass material at a drawing speed V to form an optical fiber, the drawn glass material having a viscous zone (4a); d) applying to the optical fiber (4) a substantially sinusoidal spin, which is transmitted to the viscous zone (4a); characterized in that the spin function frequency v, the viscous zone (4a) length L and the drawing speed V are such that both a torsion and at least a 50% detorsion are applied to the viscous zone (4a).





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